CLAIMS

What is claimed is:

1. A method of automating an identification and type information configuration for a real-time data feed, comprising:

automatically creating trigger statements for the real-time data feed; and

automatically deriving a type information for the real-time data feed from a column being loaded.

2. The method of claim 1, wherein the trigger statements comprise an insert trigger.

3. The method of claim 1, wherein the trigger statements comprise a plurality of update triggers.

4. The method of claim 1, wherein the feed is loaded to a database; and

further comprising building a data structure for a database trigger.

5. The method of claim 4, further comprising converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

6. The method of claim 5, further comprising extracting a sub-type descriptor from the type descriptor, to automatically find the type of data being loaded by the real-time data feed.

7. The method of claim 6, further comprising storing the type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

8. The method of claim 1, further comprising getting a table name and a column name being populated by the real-time data feed.

9. The method of claim 4, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

10. The method of claim 1, further comprising getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which triggers will be automatically created.

11. A system for automating an identification and type information configuration for a real-time data feed, comprising:

means for automatically creating trigger statements for the real-time data feed; and

means for automatically deriving a type information for the real-time data feed from a column being loaded.

12. The system of claim 11, wherein the trigger statements comprise an insert trigger.

13. The system of claim 11, wherein the trigger statements comprise a plurality of update triggers.

14. The system of claim 11, wherein the feed is loaded to a database; and

further comprising means for building a data structure for a database trigger.

15. The system of claim 14, further comprising means for converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

16. The system of claim 15, further comprising means for extracting a sub-type descriptor from the type descriptor, to automatically find the type of data being loaded by the real-time data feed.

17. The system of claim 16, further comprising means for storing the type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

18. The system of claim 11, further comprising means for getting a table name and a column name being populated by the real-time data feed.

19. The system of claim 14, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

20. The system of claim 11, further comprising means for getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which triggers will be automatically created.

21. A computer program product having instruction codes embedded on a medium for automating an identification and type information configuration for a real-time data feed, comprising:

a first set of instruction codes for automatically creating trigger statements for the real-time data feed; and

a second set of instruction codes for automatically deriving a type information for the real-time data feed from a column being loaded.

22. The computer program product of claim 21, wherein the trigger statements comprise an insert trigger.

23. The computer program product of claim 21, wherein the trigger statements comprise a plurality of update triggers.

24. The computer program product of claim 21, wherein the feed is loaded to a database; and

further comprising a third set of instruction codes for building a data structure for a database trigger.

25. The computer program product of claim 24, further comprising a fourth set of instruction codes for converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

26. The computer program product of claim 25, further comprising a fifth set of instruction codes for extracting a sub-type descriptor from the type descriptor, to automatically find the type of data being loaded by the real-time data feed.

27. The computer program product of claim 26, further comprising a sixth set of instruction codes for storing the type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

28. The computer program product of claim 21, further comprising a seventh set of instruction codes for getting a table name and a column name being populated by the real-time data feed.

29. The computer program product of claim 24, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

30. The computer program product of claim 21, further comprising an eight set of instruction codes for getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which triggers will be automatically created.